



ERCIM "ALAIN BENSOUSSAN"  
FELLOWSHIP PROGRAMME



## Scientific Report

First name / Family name	Meng Li
Nationality	China
Name of the <i>Host Organisation</i>	CNR (Istituto di scienze e tecnologie della cognizione), Italy.
First Name / family name of the <i>Scientific Coordinator</i>	Fabio Martinelli
Period of the fellowship	1/10/2020 to 31/3/2021

### I – SCIENTIFIC ACTIVITY DURING YOUR FELLOWSHIP

- (1) Conduct scientific research on security and privacy in vehicular networks
- (2) Publish high-quality papers on journals and conferences
- (3) Participate in the ERCIM Community Event

### II – PUBLICATION(S) DURING YOUR FELLOWSHIP

- [1] Meng Li, Yifei Chen, Chhagan Lal, Mauro Conti, Mamoun Alazab, and Donghui Hu, Eunomia: Anonymous and Secure Vehicular Digital Forensics based on Blockchain. **IEEE Trans. Dependable and Secure Computing (TDSC)**, 2021, Accepted. (SCI, IF: 7.329)
- [2] Meng Li, Liehuang Zhu\*, Zijian Zhang, Chhagan Lal, Mauro Conti, and Mamoun Alazab. Anonymous and Verifiable Reputation System for E-commerce Platforms based on Blockchain. **IEEE Trans. Network and Service Management (TNSM)**, 2021, Accepted. (SCI, IF: 4.195)
- [3] Meng Li, Liehuang Zhu, Zijian Zhang, Chhagan Lal, Mauro Conti, and Fabio Martinelli. Privacy for 5G-Supported Vehicular Networks. **IEEE Open Journal of Communications Society (OJ-COMS)**, 2021, 2: 1935-1956.

- [4] Donghui Hu, Yifan Li, Lixuan Pan, Meng Li\*, and Shuli Zheng. A Blockchain-Based Trading System for Big Data. **Computer Networks**, 2021, 191: 107994. (SCI, IF: 4.474)
- [5] Meng Li, Chhagan Lal, Mauro Conti, and Donghui Hu\*. LEChain: A Blockchain-based Lawful Evidence Management Scheme for Digital Forensics. *Future Generation Computer Systems (FGCS)*, 2021, 115: 406-420. (SCI)
- [6] Yifei Chen, Meng Li, Shuli Zheng, Chhagan Lal, and Mauro Conti. Where to Meet a Driver Privately: Recommending Pick-Up Locations for Ride-Hailing Services. *Proc. 17th International Workshop on Security and Trust Management (STM) (Co-located with ESORICS 2021)*, October 2021: 1-18, Darmstadt, Germany. (EI)

### III – ATTENDED SEMINARS, WORKHOPS, CONFERENCES

- (1) 1/11/2020, Security Seminar hosted by Prof. Mauro Conti from University of Padua, Virtual.
- (2) 1/12/2020, Security Seminar hosted by Prof. Kaitai Liang from TU Delft, Virtual.
- (3) 8/10/2021, 17th International Workshop on Security and Trust Management (STM), Virtual.
- (4) 17/11/2021, 23rd International Conference on Information and Communications Security (ICICS), Virtual.

### IV – RESEARCH EXCHANGE PROGRAMME (REP)

- (1) 1/11/2020-8/11/2020, University of Padua, Prof. Mauro Conti, remote visit  
Experience: participate in a seminar, discuss with Mauro about several ideas of privacy preservation in vehicular networks, celebrate our recent publication on TDSC
- (2) 1/12/2020-8/12/2020, TU Delft, Prof. Kaitai Liang, remote visit  
Experience: participated in a seminar, discuss with Kaitai about several ideas of location privacy